



CANLink® CL-303-1XX Module Family Power Module

8 Outputs and 5 Inputs including:

- (8) 7A PWM outputs with current limiting
- (4) inputs configurable as switch to ground or harness codes*
- (1) switch to ground input
- (1) J1939 CAN port

The CL-303 is a solid-state microprocessor based module and member of the HED CANLink® multiplexed control family. Delivered in a Deutsch enclosure, this unit provides a high density I/O count in a compact and economical package.

Designed for use as a stand alone unit or as part of a distributed system, the CL-303 is also available in a clear enclosure with LED indicators for each input or output for simple troubleshooting in the field.

The HED CL-303 can be programmed using HED's do-it-yourself CANLink® Composer™ programming tool or directly by HED engineering, and is designed for use with the CANLink® Conductor™ software tool for diagnostics and field troubleshooting.

Specifications	
Enclosure:	Deutsch standard EEC-325x4 PCB enclosure with 24-pin receptacle.
Connectors:	DTM06-12SC DTM06-12SD WM-12S (wedge) – Two needed (one per connector) 0462-201-20141 20AWG sockets 0413-204-2005 Sealing Plugs – Unused pins are required to be sealed to maintain module sealing
Operating Voltage Range:	8 to 32 VDC
Operating Temperature:	-40°C to 70°C
Storage Temperature:	-40°C to 85°C
IP Rating:	IP 6K9K (intended for either interior or exterior installation)
PC Boards:	The printed circuit boards are designed for high EMI/RFI protection. The boards are conformal coated with a silicone coating for further water/moisture protection. All inputs and outputs are protected against shorts to Battery(+) or Battery(-). 100% of the boards are functionally tested before shipment. * Harness codes are switch to ground inputs used to identify I/O module location and function to the master controller

CL-303 Power Module

CL-303 Power Module Pinout

Green 12-Pin Connector		Brown 12-Pin Connector	
Pin	Function	Pin	Function
1	Output DOUT(+)/PWM(+)(7A)	1	Output DOUT(+)/PWM(+)(7A)
2	BAT(+) Module and Output	2	BAT(+) Output
3	Battery(-)	3	Output DOUT(+)/PWM(+)(7A)
4	CAN-L	4	BAT(+) Output
5	CAN-H	5	Output DOUT(+)/PWM(+)(7A)
6	Input STG	6	BAT(+) Output
7	BAT(+) Output	7	Input STG
8	Output DOUT(+)/PWM(+)(7A)	8	Input STG
9	BAT(+) Output	9	Input STG
10	Output DOUT(+)/PWM(+)(7A)	10	Input STG
11	BAT(+) Output	11	BAT(+) Output
12	Output DOUT(+)/PWM(+)(7A)	12	Output DOUT(+)/PWM(+)(7A)

Note: Different I/O combinations are available. Please refer to specific CL-303-1XX data sheet for I/O number designations for use within Composer™. Data sheets available on HED® website.

